

## 1/12

## SEQUENCE LISTING

<110>	THE JOHN HOPKINS UNIVERSITY	
<120>	ENGINEERED RNAI ADENOVIRUS SILENCING EXPRESSION (ERASE) OF DNA REPAIR PROTEINS	
<130>	59564-PCT (71699)	
	PCT/US03/36367 2003-11-12	
	60/425,897 2002-11-12	
<160>	41	
<170>	PatentIn Ver. 3.2	
<210><211><212><213>	73	
<220> <223>	Description of Artificial Sequence: Synthetic oligonucleotide	
	1 ctatc atgttctagt tgacggcaga agcttgtgcc gtcgactagg acatggtaga agttt ttt	60 73
<210><211><212><213>	79	
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<210><211><211><212><213>	31	
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<211> 73
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cctggaggct tgtgttgagg ctgatacaga agcttgtgta tcagcctcag cataagcctc 60
cgggtagttt ttt
<210> 5
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<212> DNA
<213> Artificial Sequence
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<211> 73
<212> DNA
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<210> 9
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<212> DNA
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ttacggagct gattgtagca acatactact c
<210> 10
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<212> DNA
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agtacagttt ttt
<210> 11
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<223> Description of Artificial Sequence: Synthetic
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<211> 31
<212> DNA
<213> Artificial Sequence
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<400> 13
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ataacgagac ttctgcggat tgcagcaacc
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<212> DNA
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<213> Artificial Sequence

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<210> 17
<211> 79
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
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<400> 17
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<210> 18
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<212> DNA
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<400> 19
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<211> 79
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gctggcatta cagacatcg
<210> 21
<211> 31
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      target sequence
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agccccgcgg tgctggcatt acagacatct t
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<211> 73
<212> DNA
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<223> Description of Artificial Sequence: Synthetic
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<400> 22
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cgtcttattt ttt
<210> 23
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<212> DNA
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<210> 26 <211> 79 <212> DNA <213> Artificial Sequence	
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<210> 27 <211> 31 <212> DNA <213> Artificial Sequence	
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<220> <223> Description of Artificial Sequence: Synthetic oligonucleotide	

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<220>
<221> modified_base
<222> (29)..(36)
<223> "n" may be a, t, c or g; see specification for various
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<400> 28
tagetetate atgttetagt tgaeggeann nnnnnntgee gtegaetagg acatggtaga 60
gttacagttt ttt
<210> 29
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<212> DNA
<213> Artificial Sequence
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<220>
<221> modified_base
<222> (29)..(36)
<223> "n" may be a, t, c or g; see specification for various
      other descriptions.
<400> 29
cctggaggct tgtgttgagg ctgatacann nnnnnntgta tcagcctcag cataagcctc 60
cgggtagttt ttt
<210> 30
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<223> "n" may be a, t, c or g; see specification for various
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<400> 30
taqtatgttq ctacaatcag ctccgtaann nnnnnnttac ggagctgatt gtggcgacgt 60
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                                                                   73
<210> 31
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<220>
<223> Description of Artificial Sequence: Synthetic
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<221> modified base
<222> (29)..(36)
<223> "n" may be a, t, c or g; see specification for various
      other descriptions.
<400> 31
tattatattc ctctggtgtg gcactgccnn nnnnnnggca gtgtcacact agagggatat 60
agtacagttt ttt
<210> 32
<211> 73
<212> DNA
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<221> modified base
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<223> "n" may be a, t, c or g; see specification for various
      other descriptions.
<400> 32
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gtaattcttt ttt
<210> 33
<211> 73
<212> DNA
<213> Artificial Sequence
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<221> modified_base
<222> (29)..(36)
<223> "n" may be a, t, c or g; see specification for various
      other descriptions.
<400> 33
ctcatgacca ctggccattc cacagcatnn nnnnnnatgc tgtggagtgg ccggtggtta 60
tgagtcgttt ttt
                                                                   73
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<210> 34
<211> 73
<212> DNA
<213> Artificial Sequence
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<223> Description of Artificial Sequence: Synthetic
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<220>
<221> modified base
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<223> "n" may be a, t, c or g; see specification for various
      other descriptions.
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atatcttttt ttt
<210> 35
<211> 73
<212> DNA
<213> Artificial Sequence
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<221> modified base
<222> (29)..(36)
<223> "n" may be a, t, c or g; see specification for various
      other descriptions.
<400> 35
gatgaacttc acccaataat cctaggagnn nnnnnncttc taggattatt gggtggagtt 60
cgtcttattt ttt
<210> 36
<211> 73
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<221> modified base
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<223> "n" may be a, t, c or g; see specification for various
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ttcattattt ttt
                                                                   73
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<212> DNA
<213> Human adenovirus type 5
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taagegggca etetteegtg gtetggtgga taaattegca agggtateat ggeggaegae 120
cggggttcga gccccgtatc cggccgtccg ccgtgatcca tgcggttacc gcccgcgtg 179
<210> 38
<211> 127
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
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tgatcgggtg getetcgetg agttggaatc etttttggat ecaceggggt tegageeceg 120
cttaaga
                                                                    127
<210> 39
<211> 127
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
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<400> 39
gatetettaa geggggeteg aacceeggtg gatecaaaaa ggatteeaac teagegagag 60
ccaccegate aagetteate aggtggetee egetgaattg gaatecagae caeggaetee 120
<210> 40
<211> 130
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
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tgatcgggtg getetegetg agttggaatc etttttggat ecaceggggt tegageceeg 120
cttaagacta
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<211> 126	
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<220> <223> Description of Artificial Sequence: Synthetic promoter sequence	
<400> 41 tagtettaag egggetega acceeggtgg atecaaaaag gatteeaact eagegagage caceegatea agetteatea ggtggeteee getgaattgg aatecagaee aeggaeteet eeeege	